Approved for use through 3/31/2007. OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER 576P080

DESIGNATED/ELECTED	U.S. APPLICATION NO # Ignows, see 37 CFR 1.5)								
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		10/551481							
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED .							
PCT/JP2004/004719	31 March 2004	3 April 2003							
TITLE OF INVENTION PRODUCTION METHODFOR 3,3'-DIALLYL-	-4.4*-DTHYDROXYDTPHFNYT. SUTFO	ONE .							
APPLICANT(S) FOR DO/EO/US									
Hirotaka Enokida, Masaki Fujimoto, Katsimori Nakamura, Tetsushi Yamamoto, Yuji Wada and Shozo Yanagid									
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.									
This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.									
3. X This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. X The US has been elected (Article 31).	The US has been elected (Article 31).								
<u> </u>									
▼ ·									
	ted under 35 U.S.C. 154(d)(4).	·							
	b. Last been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
	D								
	□								
c. have not been made; how	I the second of								
d. X have not been made and v	vill not be made.								
8. An English language translation of th	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9. X An oath or declaration of the inventor	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
10. An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Items 11 to 20 below concern document(s) or information included:								
11. An Information Disclosure Statement									
12. X An assignment document for recording	ng. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.							
13. A preliminary amendment.	A preliminary amendment.								
14. An Application Data Sheet under 37 (An Application Data Sheet under 37 CFR 1.76.								
15. A substitute specification.									
	A power of attorney and/or change of address letter.								
	A computer-readable form of the sequence listing in accordance with PCT Rule 13/er.2 and 37 CFR 1.821- 1.825.								
_	national Application under 35 U.S.C. 154(
· 1. Co	ge translation of the international application of the International	Search Report. 5.00py of the							
20. Con Other items or information: 2. Con	py of Form PCT/IB/304 &	308. Notification of a Change to obtain or retain a benefit by the public, which is to file (and by							

This collection of Information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Page 1 of 2

JC09 Rec'd PCT/PTO 29 SEP 2005

PTO-1390 (Rev. 02-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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U.S. APPLICATI	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER				
10/551481 PCT/JP2004/004719		576P080					
The following fees have been submitted			CALCULATIONS	PTO USE ONLY			
21. X Basic national fee\$300			\$300	\$ 300.00			
22. X Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)					\$ 200.00		
23. Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					\$ 400.00		
	TOTAL OF 21, 22	2 and 23 =			\$ 900.00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
Total Sheets	Extra Sheets		n additional 50 or fraction up to a whole number)	RATE			
- 100 =	/50 =		_	x \$250	\$		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).					\$		
CLAIMS	NUME	ER FILED	NUMBER EXTRA	RATE	\$		
Total claims	1	2 - 20 =	. 0	x \$ 50	\$ 0		
Independent dai	ms	2 -3=	0	× \$200	\$ O		
MULTIPLE DEP	NDENT CLAIM(S	6) (if applicable)		+ \$360	\$ 360.00		
TOTAL OF ABOVE CALCULATIONS =				CALCULATIONS =	\$ 1.260.00		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				=			
SUBTOTAL =				\$ 1,260,00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$_			
TOTAL NATIONAL FEE =				\$ 1,260.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					\$ 40.00		
TOTAL FEES ENCLOSED =				\$ 1,300,00	•		
				Amount to be	\$		
					refunded: Amount to be charged:	\$	
a. X A check in the amount of \$ 1,300.00 & 40, to cover the above fees is enclosed.							
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No.14-0930. A duplicate copy of this sheet is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international Application to pending status.							
SEND ALL CORRESPONDENCE TO: CUSTOMER NO: 42754							
Nields & Lemack SIGNATURE							
176 E. Main Street - Suite 7 Kevin			S. Lemack				
Westboro, MA 01581 32,579 REGISTRATION NUMB					ION NI IMREP		
				REGISTRAT	ION NONDER		

Applicants

Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

Filed

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Herewith By Express Mail (31 March 2004)

For

PRODUCTION

METHOD

FOR

3,3'-DIALLYL-4,4'-

DIHYDROXYDIPHENYL SULFONE

Examiner

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Not yet assigned

Art Unit

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Not yet assigned

Attorney

Docket No.

576P080

Type of paper

Transmittal Letter to the United States Designated/Elected Office

(DO/EO/US) Concerning a Filing Under 35 U.S.C. 371

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: PCT, Alexandria, VA 22313-1450.

Ann Marie Mahan

Name of person mailing paper or fee

Applicants

Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

Filed

Herewith By Express Mail (31 March 2004)

For

(01 1/11/01/2007)

PRODUCTION METHOD FOR DIHYDROXYDIPHENYL SULFONE

3,3'-DIALLYL-4,4'-

Not yet assigned

Art Unit

Examiner

Not yet assigned

Attorney

Docket No.

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Type of paper

Letter

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Ann Marie Mahan

Name of person mailing paper or fee

JC09 Rec'd PCT/PTO 29 SEP 2001.

Attorney Docket No. 576P080

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Hirotaka Enokida, Masaki Fujimoto, Katsunori Nakamura,

Tetsushi Yamamoto, Yuji Wada and Shozo Yanagida

For:

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PRODUCTION METHOD FOR 3,3'-DIALLYL-4,4'-

DIHYDROXYDIPHENYL SULFONE

Mail Stop: PCT

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

LETTER

The above-identified applicants enclose for filing the national phase of a PCT patent application (PCT/JP2004/004719) entitled "PRODUCTION METHOD FOR 3,3'-DIALLYL-4,4'-DIHYDROXYDIPHENYL SULFONE". Said attached PCT patent application includes (1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2-Pages); (2) Translation of the International Application into English: 20-Page Specification (including 2-Pages of Claims (11) and 1-Page Abstract); (3) Executed Declaration (8-Pages); (4) Check in the amount of \$1,260.00 in payment of the Filing Fee; (5) Copy of the International Search Report (1-page); (6) Notification of the Recording of a Change (1-Page); (7) Recordation Form Cover Sheet (1-Page), Assignment (6-Pages); (8) Check in the amount of \$40.00 in payment of the Recording Fee; (9) Copy of the Notice Informing the Applicant of the Communication of the International Application to the Designated Offices (Form PCT/IB/308)(1-Page); and (10) Copy of the Notification Concerning Submission of Priority Document (Form PCT/IB/304)(1-Page).

All correspondence concerning this application should be mailed to: CUSTOMER NO: 42754

Kevin S. Lemack Nields & Lemack 176 E. Main Street - Suite 7 Westboro, Massachusetts 01581

Respectfully submitted,

Kevin S. Lemack Attorney for Applicant Registration No. 32,579

Date: September 29, 2005

EXPRESS MAIL NO: ED 113525923 US

JC09 Rec'd PCT/PTO 23 SEP 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

: Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

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Herewith By Express Mail (31 March 2004)

For

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Examiner

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Not yet assigned

Art Unit

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Not yet assigned

Attorney

Docket No.

576P080

Type of paper

Translation of the International Application into English

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: PCT, Alexandria, VA 22313-1450.

Ann Marie Mahan

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Applicants

: Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

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Herewith By Express Mail (31 March 2004)

For :

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Examiner

Not yet assigned

Art Unit

Not yet assigned

Attorney

Docket No.

576P080

Type of paper

Executed Declaration

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Ann Marie Mahan

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Hirotaka Enokida et al.

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Art Unit

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Type of paper

Filing Fee

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Ann Marie Mahan

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Applicants

: Hirotaka Enokida et al.

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Herewith By Express Mail (31 March 2004)

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METHOD FOR

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Art Unit

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Attorney

Docket No.

576P080

Type of paper

Copy of the International Search Report

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Applicants

Hirotaka Enokida et al.

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Examiner

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Not yet assigned

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Not yet assigned

Attorney

Docket No.

576P080

Type of paper

Copy of the Notification of the Recording of a Change

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: PCT, Alexandria, VA 22313-1450.

Ann Marie Mahan

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JC09 Rec'd PCT/PTO 49 SEP 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

Filed

Herewith By Express Mail (31 March 2004)

For

PRODUCTION

METHOD FOR

3,3'-DIALLYL-4,4'-

DIHYDROXYDIPHENYL SULFONE

Examiner

Not yet assigned

Art Unit

Not yet assigned

Attorney

Docket No.

576P080

Type of paper

Assignment

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Ann Marie Mahan

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Applicants

: Hirotaka Enokida et al.

Serial No.

Not yet assigned (PCT/JP2004/004719)

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Art Unit

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Type of paper

Recording Fee

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Hirotaka Enokida et al.

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Attorney

Docket No.

576P080

Type of paper

Copy of the Notice Informing the Applicant of the

METHOD

Communication of the International Application to the Designated

Offices (Form PCT/IB/308)(1-Page)

"EXPRESS MAIL" MAILING LABEL NO ED 113525923 US DATE OF DEPOSIT: September 29, 2005

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Ann Marie Mahan

Name of person mailing paper or fee

JC09 Rec'd PCT/PTO 24 SEP 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

: Hirotaka Enokida et al.

Serial No.

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Copy of the Notification Concerning Submission or Transmittal of

Priority Document (Form PCT/IB/304)(1-Page)

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